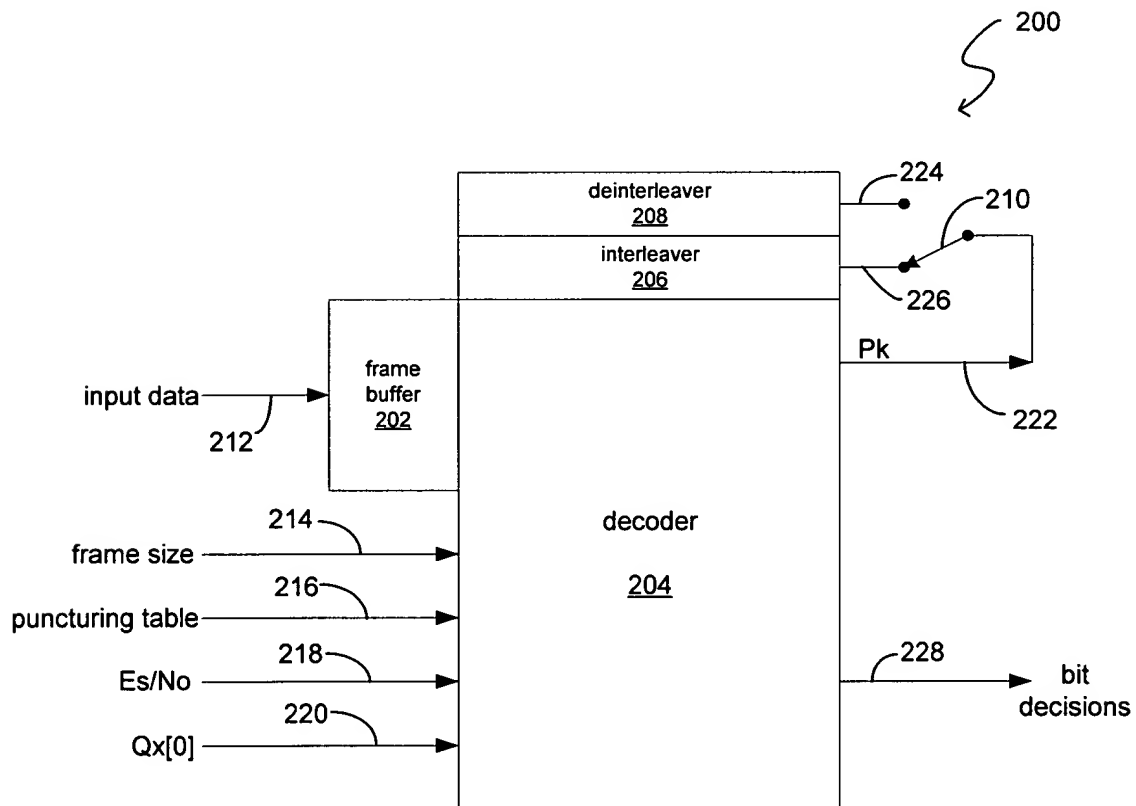


100

102	104
$z =  x_1 - x_2 $	$\log_{\text{table}}(z) = \log(1 + e^{-z})$
$z_0$	$a_0$
$z_1$	$a_1$
$z_2$	$a_2$
$\vdots$	$\vdots$
$z_{N-1}$	$a_{N-1}$

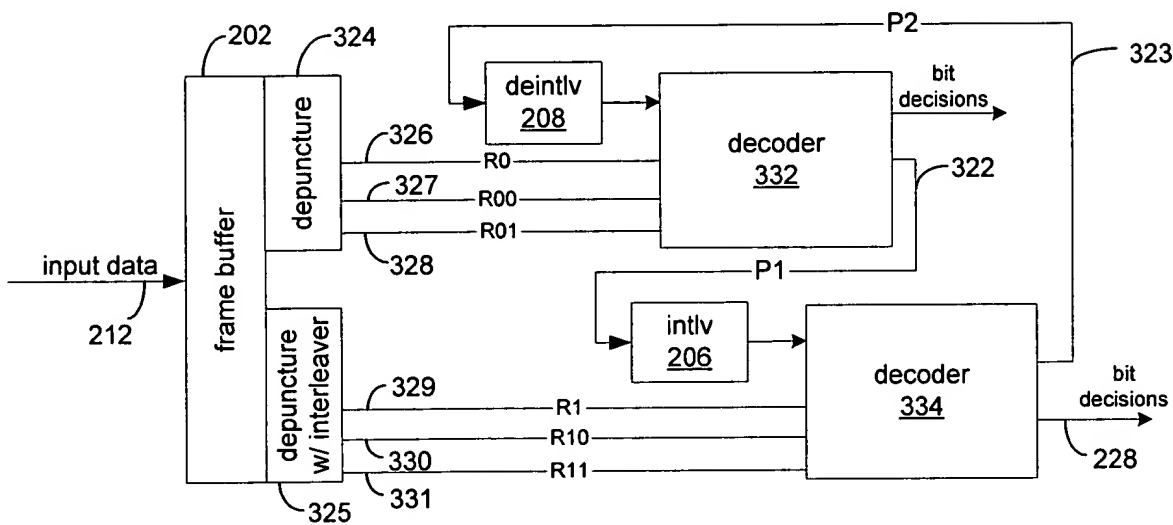
103 105

**Figure 1 (Prior Art)**



**Figure 2**

FIG. 10



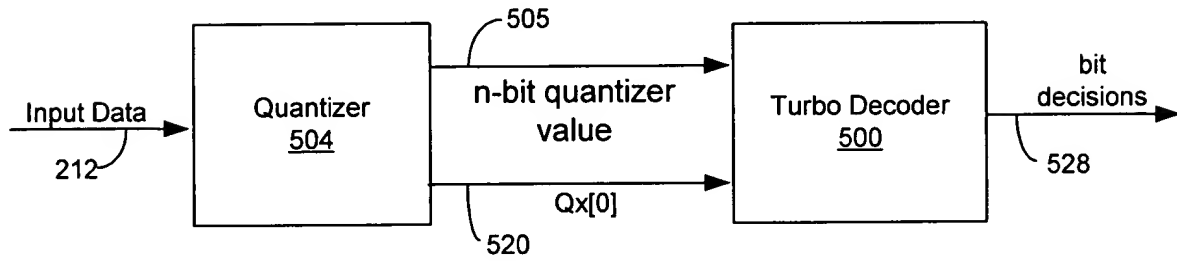
**Figure 3**

400

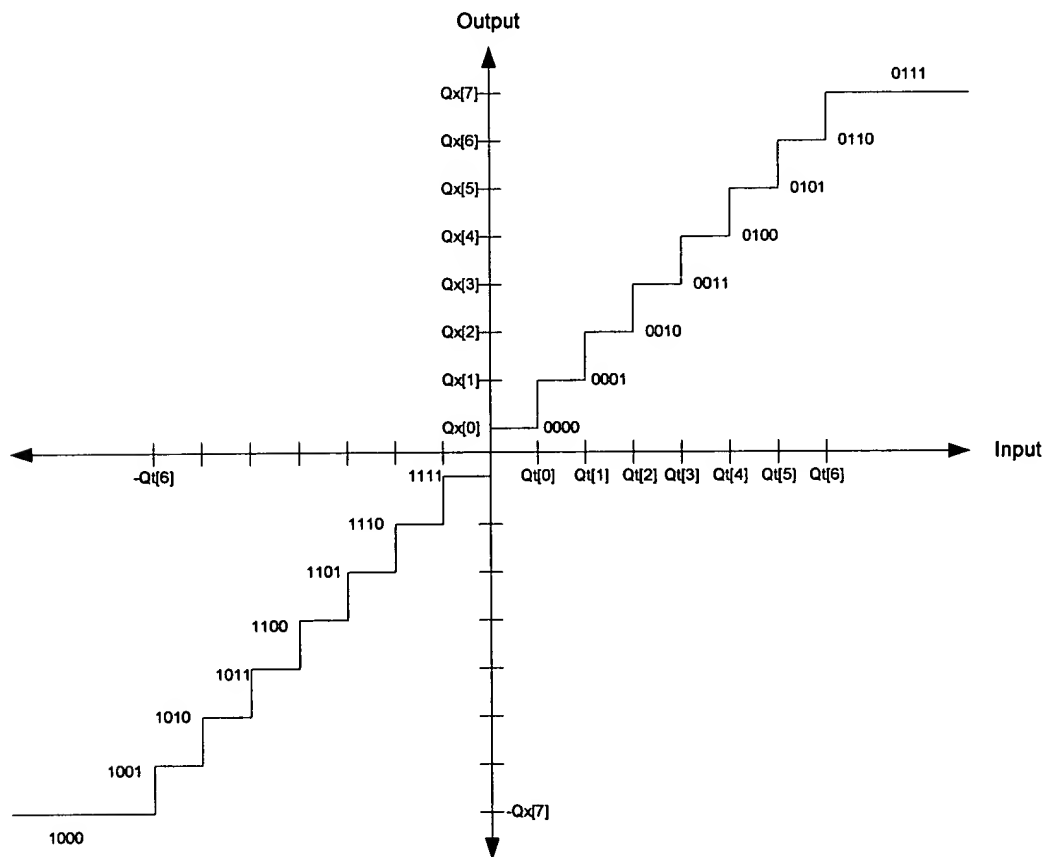
402	404
$\tilde{z} = z\sigma^2$	$\log_{s-table}(\tilde{z}) = \log(1 + e^{-z})\sigma^2$
$\tilde{z}_0$	$\tilde{a}_0$
$\tilde{z}_1$	$\tilde{a}_1$
$\tilde{z}_2$	$\tilde{a}_2$
$\vdots$	$\vdots$
$\tilde{z}_{N-1}$	$\tilde{a}_{N-1}$

406 407

**Figure 4**



**Figure 5**



**Figure 6**

700

702	704
$z' = z\rho\sigma^2 / Qx[0]$	$\log_{s-table}(z') = \log(1 + e^{-z})\rho\sigma^2 / Qx[0]$
$z'_0$	$a'_0$
$z'_1$	$a'_1$
$z'_2$	$a'_2$
$\vdots$	$\vdots$
$z'_{N-1}$	$a'_{N-1}$

706707

Figure 7

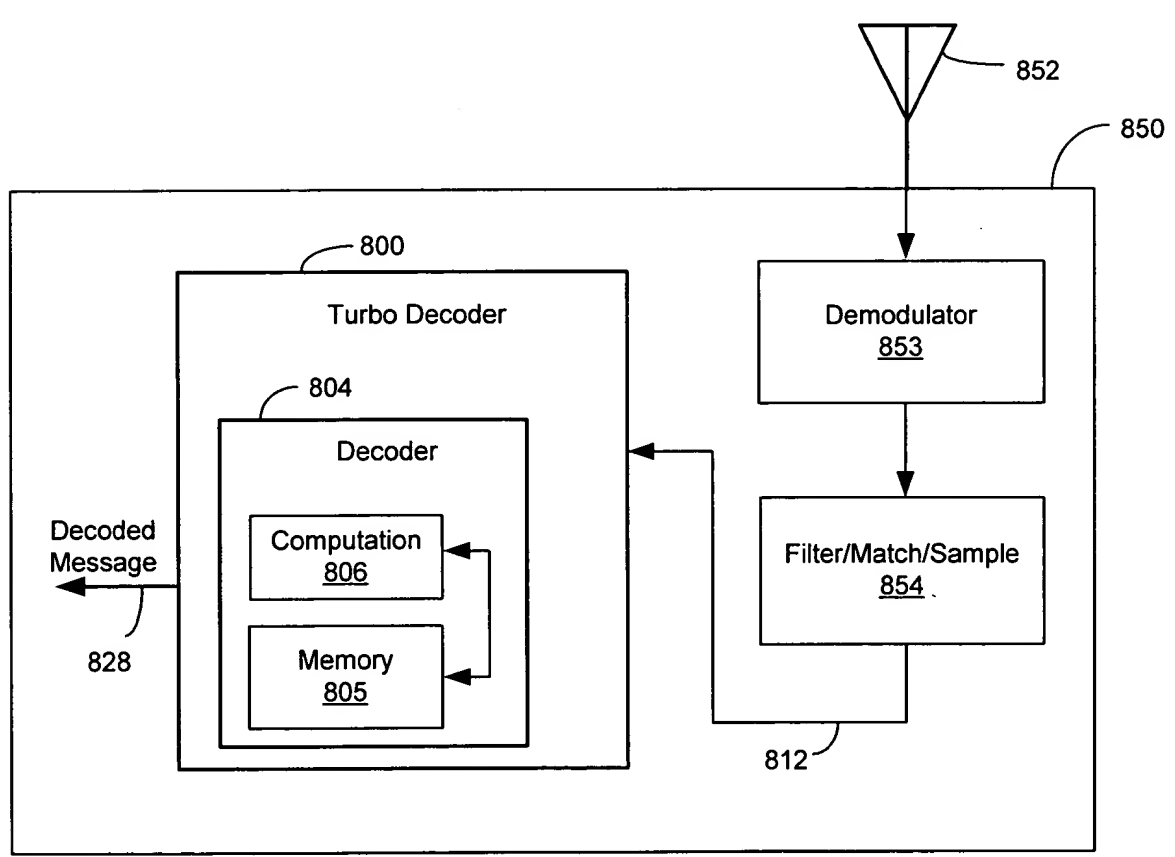


Figure 8

900

902	910	904
$\bar{z}$	$z_{Addr}$	$\log_{table}(\bar{z}) = \log(1 + e^{-\bar{z}})$
$\bar{z}_0 = 0$	0	$\bar{a}_0$
$\bar{z}_1 = 1 \times 2^{\lfloor \log_2(z_1) \rfloor}$	1	$\bar{a}_1$
$\bar{z}_2 = 2 \times 2^{\lfloor \log_2(z_1) \rfloor}$	2	$\bar{a}_2$
$\vdots$	$\vdots$	$\vdots$
$\bar{z}_{2N-1} = (2N-1) \times 2^{\lfloor \log_2(z_1) \rfloor}$	$2N-1$	$\bar{a}_{2N-1}$

**Figure 9**

FILED 07-10-2010

6/7

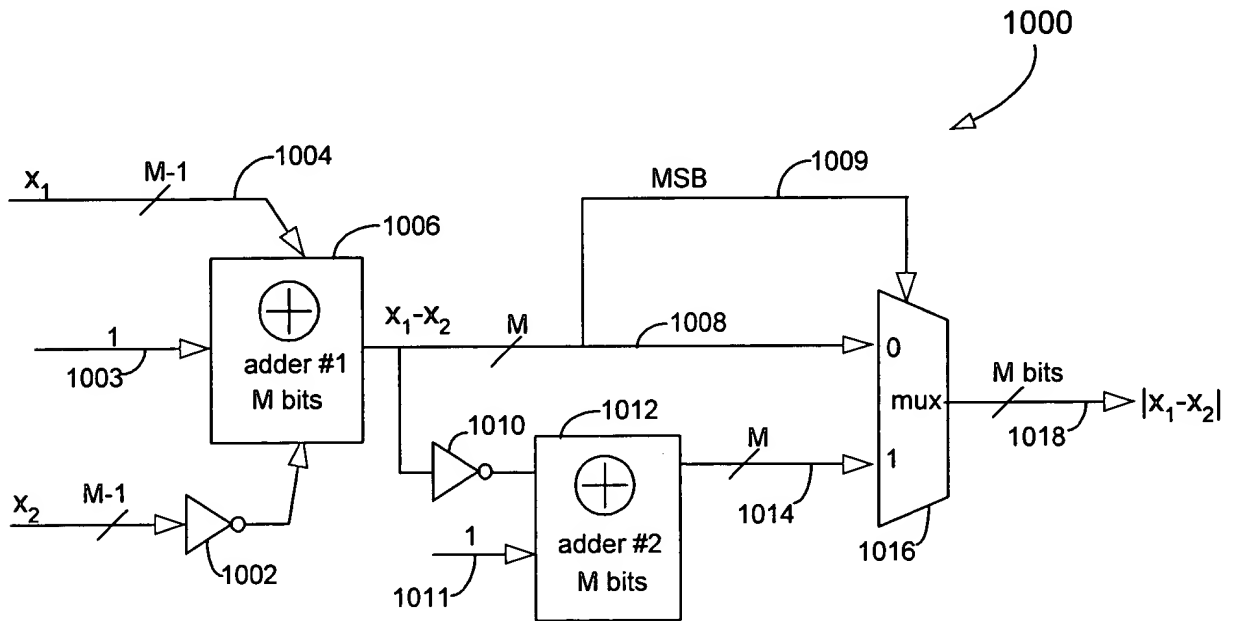


Figure 10

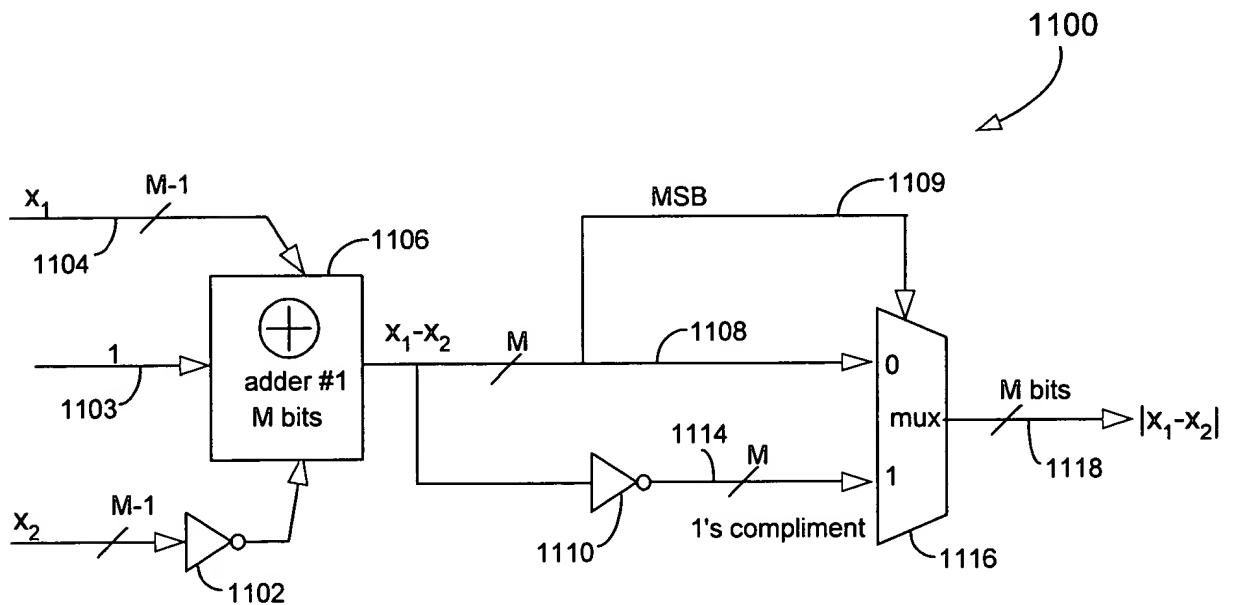


Figure 11

FIG. 10

7/7

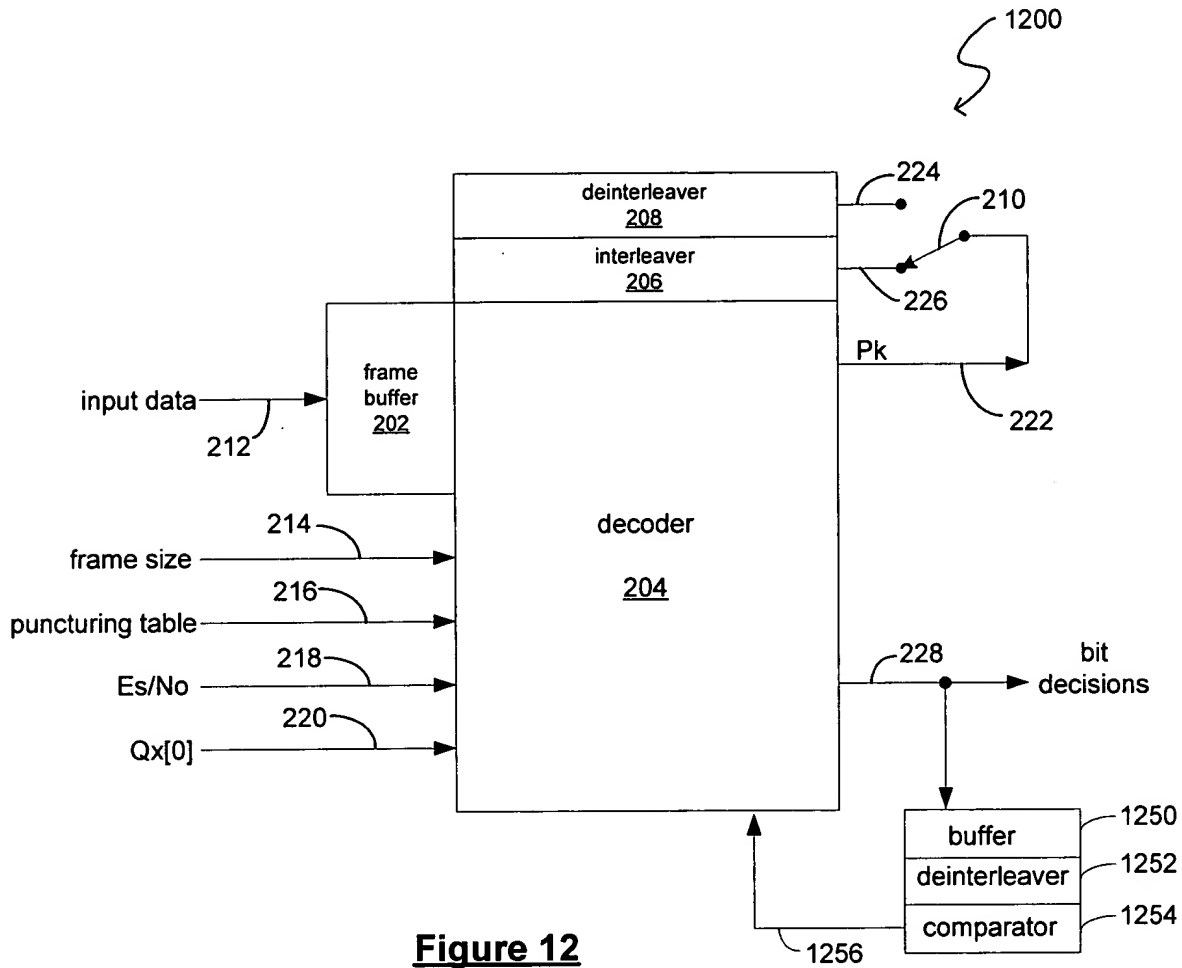


Figure 12

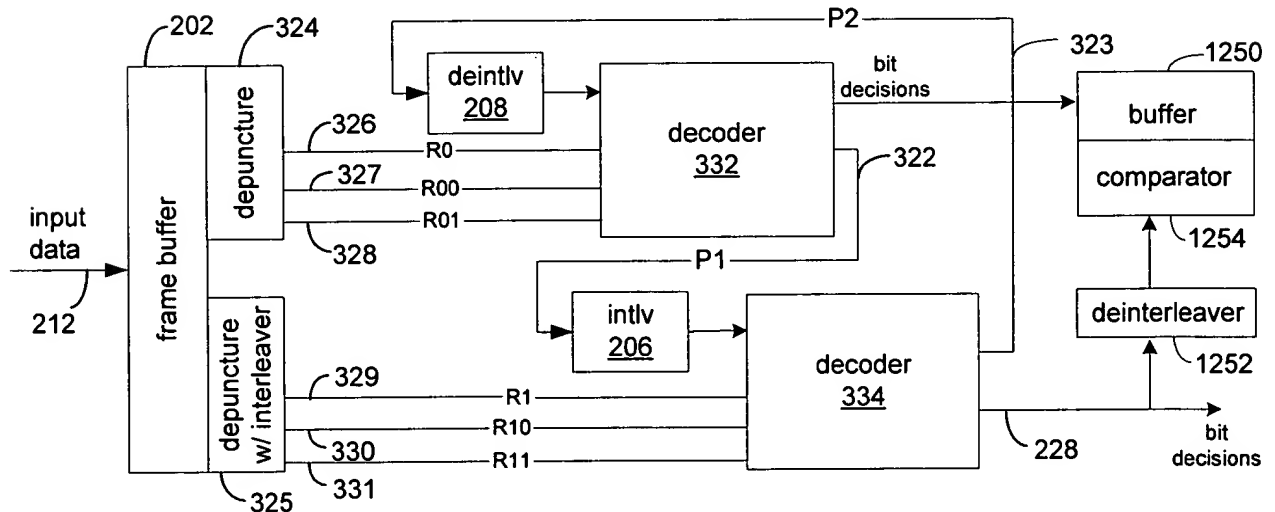


Figure 13